
MATERIAL SAFETY DATA SHEET**PROTEX 2000® - AD Fluid Repellent**

Date Prepared: 11-June-07

MSDS No. 00600

Section 1 NAME AND HAZARD SUMMARY

Material name: PROTEX 2000®-AD Fluid Repellent
Chemical Name: Fluoroacrylate copolymer emulsion
Manufacturer/Distributor: M&M Technologies, Inc.
4001 Kennett Pike, #134
P.O. Box 4092
Wilmington, DE 19807
Emergency Telephone No.: 800-658-5958

Hazard Summary (as defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200):

Physical Hazards: None
Health Hazards: May cause slight eye irritation

Read the entire MSDS for a more thorough evaluation of the hazards.

NFPA Ratings

HEALTH 1
Flammability 1
Reactivity 1

Section 2 INGREDIENTS

CHEMICAL NAME	CAS #	Weight %
Perfluoroacrylate	Proprietary (Non-Hazardous)	8
Propylene Glycol	57-55-6	3
Water	7732-18-5	89

Ingredients not precisely identified are proprietary or non-hazardous.
Values are not product specific.

Section 3 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Milky white liquid
Odor:	Glycol odor
Boiling Point:	100°C
Water Solubility:	Dispersible
pH:	3.0 - 4.0 (typical)
Specific Gravity @ 20°C:	1.03 ∇ 0.02
Weight per gallon:	8.6 lbs/gallon

Section 4 FIRE AND EXPLOSION DATA

Flash Point and Method:	>100°C (PMCC)
General Hazard:	This product is not combustible. If involved in a fire, however, it can release small quantities of toxic hydrogen fluoride and carbonyl fluoride flames.
Extinguishing Media:	Use media suitable for material that is burning.
Fire Fighting Equipment:	Use NIOSH/MSHA approved, pressure - demand self-contained breathing apparatus and full protective gear.
Unusual Fire and Explosion Hazards:	None known.

Section 5 REACTIVITY DATA

Stability:	Stable
Incompatibility:	Alkaline materials, oxidizing agents.
Decomposition: (Hazardous Products)	Hydrogen fluoride, carbonyl fluoride

Section 6 HEALTH HAZARD INFORMATION

Primary Routes of Entry:	Inhalation and ingestion
Symptoms of Exposure:	
Eye Contact -	Direct contact or exposure to vapors may cause irritation.
Ingestion -	Swallowing large quantities of propylene glycol can cause central nervous system depression. Repeated ingestion may cause liver or kidney damage.
Inhalation -	Breathing fumes from overheating fluoropolymers may cause a temporary flulike illness known as polymer fume fever.
Medical Condition Aggravated by Exposure:	None known.
Reported as Carcinogen or Potential Carcinogen:	Not applicable.

Section 7 FIRST AID MEASURES

Inhalation:	Remove from area to fresh air. Seek medical attention if breathing becomes difficult.
Ingestion:	Give 3-4 glasses of water, but DO NOT induce vomiting. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.
Eye Contact:	Immediately flush with plenty of water for at least 15 minutes. If redness, itching or burning sensation develops, have eyes examined and treated by medical personnel.
Skin Contact:	Wash material off of skin with plenty of soap and water. If redness, itching or burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

Section 8 SPILL OR LEAK INFORMATION

Steps to be taken in case material is released or spilled:

Wear skin and eye protection during cleanup. Soak up material with vermiculite, Fuller's earth, or sand and shovel into a chemical waste container.

Wash residue from spill area with water and flush to a sewer serviced by a waste water treatment facility.

Disposal method:

Discarded portion is not hazardous waste under RCRA, 40 CFR 261.

Container disposal:

Empty container retains product residue. Observe all hazard precautions. Do not Distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.

Section 9 SPECIAL PROTECTION INFORMATION

TLV® or suggested control value:

No ACGIH TLV or OSHA PEL assigned. Minimize exposure in accordance with good hygiene practice.

Ventilation: Use ventilation adequate to maintain safe levels.

Respirator protection: If needed, use MSHA/NIOSH respirator.

Gloves: Wear rubber gloves.

Clothing: Normal work clothing with long sleeves and pants.

Eye protection: Chemical tight goggles; full faceshield in addition if splashing is possible.

Other protective equipment: Eyewash station and safety shower in work area.

Section 10 TOXICOLOGICAL INFORMATION

Oral LD ₅₀ (rat)	Above 2000 mg/kg; OECD No. 401
Primary skin irritation	Non-irritant; Index 0.0 (rabbit); OECD No. 404
Primary eye irritation	Slight irritant; Class 2; (rabbit); OECD No. 405

Section 11 DISPOSAL INFORMATION

RCRA Waste Code: Not regulated as a hazardous waste under RCRA, 40 CFR 261.

Observe all applicable federal, state and local regulations.

Keep away from natural water sources.

Section 12 REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are on the TSCA Chemical Substance Inventory.

CERCLA and SARA Regulations (40 CFR 355, 370 and 372):

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

Section 13 TRANSPORTATION INFORMATION

DOT Hazard Class: Non-Hazardous, not regulated.

Section 14 STORAGE INFORMATION

Keep container tightly closed. Keep away from heat and light and store at temperature between 40° F and 90° F.

If material freezes, allow to thaw and gently agitate.

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